

Release Notes

HP StorageWorks iSCSI Feature Pack

Product Version: 1.5

First Edition (September 2004)

Part Number: T3662-90902



This document provides information that is not covered elsewhere in user documentation for the HP StorageWorks iSCSI Feature Pack v1.5.

For the latest version of these Release Notes and iSCSI Feature Pack documentation, access the HP storage website at <http://www.hp.com/country/us/eng/prodserv/storage.html> and then access the appropriate product or solution.



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iSCSI initiator support

- HP StorageWorks iSCSI Feature Pack has not been qualified with initiators running Microsoft® XP Home Edition or Microsoft XP Professional Edition. The Microsoft initiator software running on any version of Microsoft XP is not supported.
- Many non-Microsoft initiators, such as Linux, HP-UX and Novell, may work but have not been qualified with this solution.
- Hardware initiators may work but are currently unsupported.

Performance considerations

- The iSCSI server supports numerous target device types. Virtual File Devices provide the most convenient management options, since they can be backed up and replicated with file-based solutions such as HP OpenView Data Protector and HP OpenView Storage Mirroring; however, the performance will be lower than with Virtual Disk Devices.
- For environments where optimal performance is required, Virtual Disk Devices will achieve 20-50% higher performance than Virtual File Devices. Use Virtual Disk Devices when maximum performance is required

Using iSCSI on HP StorageWorks NAS 1200s systems with HP OVSM

There is a known issue with the iSCSI Feature Pack on HP NAS 1200s systems that are running HP OpenView Storage Mirror. On the NAS 1200s, iSCSI can not be used if OVSM is installed and actively performing a replication operation.

Localized Japanese language

The web UI is localized and available in both English and Japanese languages; however, the online help and manual are in English only. Japanese translation of the documentation will be in a future release.

Installation notes

For further information regarding the iSCSI Feature Pack, refer to the iSCSI Feature Pack User Guide located in the \Documents directory on the product CD.

- When installing or uninstalling the iSCSI Feature Pack, HP recommends shutting down all unnecessary programs, closing all DOS prompts, and disconnecting active remote users. In addition, there should be no active disk management tasks, such as disk formatting, during installation and un-installation of the product.
- HP recommends stopping disk access for a locally assigned logical unit (LU) before changing the LU access permission from RO to RWE/RW. If the LU access permission is changed during disk access then the disk access will remain RO despite what the iSCSI Feature pack UI indicates. To resolve this issue set the access permission for the LU to NA, then set then access right to the desired access permission.
- If the iSCSI Host is remotely located across a firewall and you do not have VPN access, you can use the iSCSI Feature Pack DNS Name, assuming your iSCSI initiator supports this. In this case, you should enter the DNS Name for the iSCSI Feature Pack in the “resolve server by address” field on the host's property page.

Note: We have identified that Adaptec HBAs and the Novell initiator software does not support Server DNS Name resolution.

- The Microsoft iSCSI initiator software is available from Microsoft as a free download (see <http://www.microsoft.com>). For Microsoft® Windows® hosts, x86 free and checked builds and IA64 (for use with 64-bit processors) free and checked builds are available for download. It is recommended that you download the free builds; the checked builds are used for debugging purposes.
- During installation of the iSCSI Feature Pack, an unsigned driver dialog may be displayed. This dialog can be ignored and will not affect any functionality to the system. Failure to ignore this dialog will result in an incomplete installation of the iSCSI Feature Pack. If the installation is not completed, a full reinstallation of the iSCSI Feature Pack is required.

- In order for a host to access a newly expanded logical unit (LU), you may have to take operating system-specific actions. If you are using the Microsoft iSCSI initiator, and you have the Computer Manager open, you need to close the Computer Manager and then re-open it for it to refresh and see the newly expanded disk. In addition, you may need to run the diskpart.exe command line utility if you want to expand an existing volume on the same disk to use up the new space.

For example:

```
C:> diskpart.exe
DISKPART> list disk
DISKPART> select disk 1
DISKPART> list partition
DISKPART> select partition 1
DISKPART> extend
DISKPART> exit
```

- Running the Web Administration console directly on the HP StorageWorks NAS, from a remote system or through Remote Desktop Connection may hang the browser, requiring you to restart Internet Explorer. This is a Microsoft issue that occurs on multi-processor machines (where all CPUs respond to the request of launching the application, causing a deadlock condition).

To avoid this issue, use the following workaround to run the console:

1. Open Internet Explorer.
2. Open the Windows Storage Server user interface.
3. Open Task Manager, select the Process tab.
4. Right-click Explorer.EXE and select Set Affinity. Uncheck all CPUs except CPU 0.

Note: This is a temporary solution and must be done each time Internet Explorer is launched.

- If you attempt to uninstall the iSCSI Feature Pack software and you receive messages indicating users are still connected, the uninstallation process will fail. This can occur if users access the iSCSI Feature Pack via Remote Desktop connection and then logout. (When users disconnect, the session remains logged in, but with a disconnected session. This allows the user to reconnect and have the same session available).

To avoid this issue, HP recommends that you open Task Manager, select the Users tab and select Logout for each user connection in order to remove the sessions. This will enable you to uninstall the iSCSI Feature Pack software.

- To silently install and/or uninstall the iSCSI Feature Pack, use the following commands:
 - Install commands:
 - `silentrun.exe reboot` to quietly install the iSCSI Feature Pack and then reboot.
 - `silentrun.exe` to quietly install the iSCSI Feature Pack without rebooting.
 - Uninstall commands. The same commands are used to uninstall silently. The Installer program knows that the iSCSI Feature Pack is installed and will automatically uninstall:
 - `silentrun.exe reboot` to quietly uninstall the iSCSI Feature Pack and then reboot.
 - `silentrun.exe` to quietly uninstall the iSCSI Feature Pack without rebooting.